OIPE JC84
OCT 15 2002
PATENT & TRADEMARK OFFICE

Gp 2133

Please type a plus sign (+) inside this box → [+]

Modified 9-98

PTO/SB/21 (12-97)
Approved for use through 9/30/00. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

BOX:

Express Mail Receipt No.

Application / Conf. No.	10/086,129 / 2232
Filing Date	February 28, 2002
First Named Inventor	David P. Schultz
Examiner Name	Unknown
Group Art Unit	2133
Issue Fee Batch No.	
Attorney Docket Number	X-1069 US

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ENCLOSURES *(check all that apply)*

- [X] Fee Transmittal Form
- [X] Amendment / Response
  - [X] Preliminary Amendment
  - [ ] After Final
  - [ ] Affidavit(s)/declaration(s)
- [ ] Extension of Time Request
- [ ] Change Status to LARGE ENTITY
- [ ] Express Abandonment Request
- [ ] Information Disclosure Statement
- [ ] Substitute PTO-1449(s) IDS by Applicant (PTO/SB/08A)
- [ ] Certified Copy of Priority Document(s)
- [ ] Response to Missing Parts/ Incomplete Application
  - [ ] Response to Missing Parts under 37 CFR 1.52 or 1.53
- [ ] Assignment Papers (with Recordation Cover Sheet)
- [ ] Declaration / Oath
- [ ] Drawing(s)
- [ ] Licensing-related Papers
- [ ] Petition -
- [ ] To Convert a Provisional Application
- [ ] Power of Attorney, Revocation Change of Correspondence Address
- [ ] Terminal Disclaimer
- [ ] Request for Refund
- [ ] After Allowance Communication to
- [ ] Appeal Communication to Board of Appeals and Interferences
- [ ] Appeal Communication to Group *(Appeal Notice, Brief, Reply Brief)*
- [ ] Status Letter
- [X] Return Receipt Postcard
- [ ] Additional Enclosure(s) (please identify below):

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm *or* Customer Number Attn:	H. C. Chan	24309 *(Customer Number)*	Reg. Number 35,477
Signature			
Date	October 10, 2002	Charge any additional fees required/credit any overpayment to our Deposit Account Number:	24-0040

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D. C. 20231 on this date: October 10, 2002

Typed or Printed Name	Pat Slaback		
Signature		Date	October 10, 2002

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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OCT 15 2002
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PTO/SB/17 (08-00)
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FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision

TOTAL AMOUNT OF PAYMENT ($) 210.00

Complete if Known	
Application / Conf. No.	10/086,129 / 2232
Filing Date	February 28, 2002
First Named Inventor	David P. Schultz
Examiner Name	Unknown
Group / Art Unit	2133
Attorney Docket No.	X-1069 US

METHOD OF PAYMENT (check one)

1. [X] The Commissioner is hereby authorized to charge indicated fees, any additional fees required, and credit any over payments to:

Deposit Account Number: 24-0040

Deposit Account Name: XILINX, INC.

[ ] Charge the any additional Fee Required Under 37 CFR §§ 1.16 and 1.17

2. [ ] **Payment Enclosed:** [ ] Check [ ] Money Order [ ] Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Fee ($)	Fee Description	Fee Paid
101	740	Utility filing fee	
106	330	Design filing fee	
107	540	Plant filing fee	
108	710	Reissue filing fee	
114	150	Provisional filing fee	

SUBTOTAL (1) ($)

2. EXTRA CLAIM FEES

			Extra		Fee from below		Fee Paid
Total Claims -20**	27	X	7	=	18		$126
Indep. Claims -3**	06	- 3** =	1	X	84	=	$84
Multiple Dependent Claims				X		=	

**or number previously paid, if greater; For Reissues, see below

Large Entity Fee Code	Fee ($)	Fee Description
103	18	Claims in excess of 20
102	84	Independent claims in excess of 3
104	270	Multiple dependent claim, if not paid
109	84	**Reissue independent claims over original patent
110	18	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) ($) 210.00

FEE CALCULATION (continued)

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3. ADDITIONAL FEES

Large Entity Fee Code	Fee ($)	Fee Description	Fee Paid
105	130	Surcharge - late filing fee or oath	
127	50	Surcharge - late provisional filing fee or cover sheet.	
147	2,520	For filing a request for exparte reexamination	
112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	Requesting publication of SIR after Examiner action	
115	110	Extension for reply within first month	
116	400	Extension for reply within second month	
117	920	Extension for reply within third month	
118	1,440	Extension for reply within fourth month	
128	1,960	Extension for reply within fifth month	
119	320	Notice of Appeal	
120	320	Filing a brief in support of an appeal	
121	270	Request for oral hearing	
138	1,510	Petition to institute a public use proceeding	
140	110	Petition to revive - unavoidable	
141	1,240	Petition to revive - unintentional	
142	1,280	Utility issue fee (or reissue)	
122	130	Petitions to the Commissioner	
123	50	Petitions related to provisional applications	
126	180	Submission of Information Disclosure Stmt	
581	40	Recording each patent assignment per property (times number of properties)	
146	740	Filing a submission after final rejection (37 CFR 1.129(a))	
149	740	For each additional invention to be examined (37 CFR 1.129(b))	
179	740	Request for Continued Examination (RCE)	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid SUBTOTAL (3) ($)

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	H. C. Chan	Registration No. (Attorney/Agent)	35,477	Telephone	408-879-6149
Signature				Date	

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#4/A
10-25-02
M.L.

IN THE UNITED STATES PATENT OFFICE

Applicant:	David P. Schultz		
Assignee:	Xilinx, Inc.		
Title:	Method and System for Flexibly Nesting JTAG TAP Controllers for FPGA-Based System-On-Chip (SoC)		
Serial No.:	10/086,129	File Date:	2/28/2002
Examiner:	Unknown	Art Unit:	2133
Docket No.:	X-1069 US	Conf. No.:	2232

COMMISSIONER FOR PATENTS
Washington, D. C. 20231

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PRELIMINARY AMENDMENT

Dear Sir:

Before taking action in the above-referenced case, please make the following amendments to the claims.

IN THE CLAIMS

Please replace Claim 14 with the following:

14. (Amended) A system for flexibly accessing nested JTAG TAP controllers for IP cores in a FPGA-based SoC, the system comprising:

A1

a selector for choosing at least one IP core JTAG TAP controller from a plurality of JTAG TAP controllers nested in the FPGA-based SoC; and

a multiplexer for programmably connecting said at least one IP core JTAG TAP controller to a host JTAG TAP controller.

Please add Claims 21-27 as follows:

21. (New) A system for performing boundary scan functions on a plurality of IP cores, the system comprising:

A2 Cont

an FPGA-based system-on-chip (SoC) comprising a plurality of IP cores each including a first JTAG TAP controller; and

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01 FC:1201 84.00 CH
02 FC:1202 126.00 CH